



RAJARAJESWARI INSTITUTE OF ALLIED HEALTH SCIENCES

Affiliated to RGUHS, Permitted by Govt. of Karnataka.



EMPOWERING STUDENTS THROUGH
HEALTH SCIENCES AND INNOVATION

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(A unit of RajaRajeswari Group of Institutions - Bengaluru)

OVERVIEW OF RAJARAJESWARI GROUP OF INSTITUTIONS

Moogambigai Charitable and Educational Trust (Regd) was founded by the Chairman **Dr. A. C. Shanmugam, B.A. LLB, FMSA, FRCPS (Glasgow, UK)** former M.P and MLA in the year 1992, in order to provide quality professional education at affordable cost to deserving students irrespective of their caste creed or religion. The trust has established many Institutions of excellence at Bangalore and RajaRajeswari Institute of Paramedical Sciences is one among them.



Dr. A.C. Shanmugam, Founder Chairman
B.A., LLB, FMSA, FRCPS (Glasgow, UK)

Dear Students and Parents,

Welcome to Rajarajeswari College of Physiotherapy. We are committed to offering top-tier medical education and healthcare, evident through our modern facilities and dynamic academic environment. Our excellent recreational and sports amenities support your journey to becoming skilled healthcare professionals. We look forward to your joining our community and wish you success in your future endeavours.



Sri. A.C.S. Arun Kumar, President
B.Tech (Hons.), LMISTE, MIET., (UK), LMCSL,



Dr. A. C. Shanmugam Honored with Prestigious Doctorate by Mysore University

Renowned educationist and healthcare provider, Dr. A.C. Shanmugam, was conferred with an honorary doctorate by Mysore University in recognition of his exceptional contributions to education and medical services. The prestigious award was presented during the 105th Graduation ceremony at the university.

RAJARAJESHWARI INSTITUTE OF ALLIED HEALTH SCIENCES

Welcome to the RAJARAJESHWARI Institute of Allied Health Sciences. Excellence in studies of Allied Health Sciences has always been the hall mark of RAJARAJESHWARI with faculty members of proven excellence and outstanding experience. We have state of the art laboratories enriched with latest facilities. The departments at the Allied Health Sciences are committed to developing challenging curricula and providing students with the resources and support to learn best practices, develop new skills and contribute to progress in their specialization.

Allied health professions have evolved rapidly over recent decades in response to the growing need for a health workforce with the capability to deliver specialized health services in a range of settings. They fulfil necessary roles in the health care system, including assisting, facilitating and complementing the work of physicians and other health care specialists.



COURSES OFFERED

◆ UG PROGRAM

- B.Sc. Cardiac Care Technology
- B.Sc. Perfusion Technology
- B.Sc. Renal Dialysis Technology
- B.Sc. Respiratory Care Technology
- B.Sc. Anaesthesia & Operation Theatre Tech.
- B.Sc. Optometry Technology
- B.Sc. Medical Imaging Technology
- B.Sc. Medical Laboratory Technology
- B.Sc. Emergency & Trauma care Technology

◆ PG PROGRAM

- M.Sc. Medical Imaging Technology
- M.Sc. Echocardiography



WHY CHOOSE US

RAJARAJESHWARI GROUP OF INSTITUTIONS



25

Acres Sprawling
Wi-Fi Enabled
Campus



1500

Bedded
Super Speciality
Hospital



24/7

Laboratory
Services

LEARNING MODEL

An experience that will truly benefit you throughout the rest of your life



Case-Based Teaching



Collaborative Learning



Clinical Training



Experiential Learning



Guest Lectures & Workshops



Industrial Visits



Hospital Rotations & Physiotherapy OPD's



Industry Internships



Fests and Conferences

HANDS - ON EXPERIENCE

RajaRajeswari Medical College & Hospital 1500 bed hospital that is part of the campus is a multi-speciality tertiary care centre that draws patients from all strata of society. Actively engaged in medical research, RRMCH is an institutional member of the International Medical Sciences Academy (IMSAI), a global body that aims at enhancing medical care around the world.



CAREER SCOPE IN ALLIED HEALTH SCIENCE COURSE

Careers in Public Health give professionals the opportunity to work with innovative methodologies for present and emerging health challenges on regional, national and global levels. As there is a growing demand for allied health professional's world over, there are a number of career opportunities available for health science professionals. India has a competitive number of well-trained medical professionals globally. Moreover, India's.

Healthcare sector has become one of the largest sectors in terms of employment. The demand for healthcare professionals in the coming future is expected to witness an upward trend, which indicates that a career in health science is going to be in demand in the up and coming years as well. Depending upon what subject area or specialization, you chose in your graduation or post- graduation, your health sciences degree can prepare you for work in the various fields.

JOB PROFILES

- Clinical Research Associates
- Medical Writers
- Clinical Data Coordinators
- Drug Development Associate
- Business Development Manager
- Clinical Project Manager
- Clinical Research Manager
- Regulatory Affairs Manager
- Clinical Research Manager
- Analytical Chemist



B.Sc. Cardiac Care Technology

- Cardiac Care technicians perform diagnostic and therapeutic procedures relating to the pulmonary and cardiovascular systems. They perform a variety of tests, including ultrasound and cardiac catheterization that determine health or illness in patient's heart, lungs or related systems.
- They are responsible for ensuring patient's safety and comfort before and during procedures, administering localized anaesthesia and monitoring the patient equipment.
- Cardiac Care Technology assists physicians and cardiologists in the diagnosis and treatment of heart and vascular-related diseases. They are taught to assist physicians in electrocardiography Treadmill test, Echo - Doppler, Cardiac lab procedures and Pulmonary function tests.



B.Sc. Perfusion Technology

One of the major medical technological breakthroughs in the last 50 years is the development of heart-Lung Machine. This was devised to maintain the human body in living condition, even when the heart and lungs are not functioning. The removal of carbon dioxide from and addition of oxygen to the blood takes place through it. This enables the surgeon to make necessary cardiac repairs. A perfusionist is a skilled allied health professional. Trained and educated specially as a member of an open - heart surgical team, responsible for the selection, setup and operation of a Heart-Lung Machine and other life support system like IABP, LVAD, RVAD & ECMO.

B.Sc. Renal Dialysis Technology

Dialysis technicians monitor and operate dialysis machinery, which removes waste and excess fluids, from the blood of patients whose kidneys are no longer functioning properly. In addition to preparing patients and monitoring dialysis treatment, dialysis technicians also prepare post treatment reports. They also work on protocols for equipment evaluation and training materials for patients and staff. Dialysis technicians generally work under a physician or nurse's supervision, usually in a hospital, clinic or home-dialysis program.



B.Sc. Anaesthesia & Operation Theatre Technology

Anaesthesia technologists are well versed with the pharmacology of anaesthesia & non anaesthesia drugs, their preparation, dilution, labelling. They are trained in preparing Anaesthesia trolleys checking the machines for suction, gas system operation, working of OT tables, various gases used in OT, inhalational agents usage. They assist with the administration and monitoring of anaesthesia and have extensive knowledge of anaesthesia techniques, instruments, supplies and technology.

Anaesthesia technicians are mainly employed by anaesthetic departments or operating theatre suites, but can be found in other areas of clinical practice including emergency departments, intensive care units (ICU) and day surgery clinics.



B.Sc. Optometry Technology

- Optometry is a health care profession which deals with the examination, diagnosis, treatment and management of diseases and disorders of the visual system. It is a vision care science.

- One can also define it as the science of eye equipment (including lenses and spectacles) which is imbued with the idea of improving the vision of the human eye and remove all kinds of obstacles of sight which an individual may experience. This is a dynamic and challenging career, which allows one to help people, achieve personal growth, community respect, job flexibility and financial success and offers virtually unlimited opportunities.

B.Sc – Respiratory Care Technology

Respiratory Therapists are trained to aid physicians in the evaluation, diagnosis and care of patients with cardiopulmonary problems. Such patients include those with emphysema, asthma, bronchitis, pneumonia, cardiac failure and chest trauma. Therapists perform a variety of procedures such as. Giving medication and aerosol therapy, pulmonary function tests, oxygen therapy, Blood gas determinations, airway management, and mechanical ventilation, respiratory therapists serve as members of cardiac arrest and trauma admission teams or home care providers. They are committed to respiratory wellness and disease prevention and often are founded ministering family asthma and tobacco cessation programs.



B.Sc. Medical Imaging Technology

Medical Imaging Technology is the process of making radiographs (film records) of internal structures of the body. Imaging Technologists are health care professionals who create medical images of the body to help health care providers diagnose and treat illness and injury using X-rays, magnetic resonance imaging, computed tomography, sonography. The program provides basic knowledge of human anatomy and physiology for understanding human biology. The course helps to train the student to operate X-ray and other imaging equipment, perform all routine radio-graphic technique and produce images of good diagnostic quality with minimum radiation dose.



B.Sc. Medical Laboratory Technology

Medical Laboratory Technology (MLT) is a branch of healthcare science that involves the analysis of body fluids, tissues, and other specimens to diagnose, monitor, and prevent diseases. Medical laboratory technologists and technicians perform various laboratory tests using sophisticated equipment, ensuring accurate and timely results that aid doctors in patient care.

Medical laboratory professionals work in hospitals, diagnostic labs, research institutions, and blood banks, playing a vital role in modern healthcare.



B.Sc. Emergency & Trauma care Technology

It's a specialized field in healthcare that focuses on the immediate assessment, treatment, and management of critically ill or injured patients in emergency situations. Professionals in this field are trained to provide life-saving interventions, stabilize patients, and assist in trauma care in emergency departments, ambulances, and disaster response units.

Professionals in this field work in hospitals, emergency rooms, ambulance services, and trauma centres, ensuring rapid and effective medical response to save lives.



M.Sc. Medical Imaging Technology

Medical Imaging Technology is the process of making radiographs (film records) of internal structures of the body. Imaging Technologists are health care professionals who create medical images of the body to help health care providers diagnose and treat illness and injury using X-rays, magnetic resonance imaging, computed tomography, sonography. The program provides basic knowledge of human anatomy and physiology for understanding human biology. The course helps to train the student to operate X-ray and other imaging equipment, perform all routine radio-graphic technique and produce images of good diagnostic quality with minimum radiation dose.



M.Sc. Echocardiography

The Master of Science (MSc) in Echocardiography is a postgraduate program that provides advanced knowledge and practical expertise in cardiac ultrasound imaging. This specialized course equips healthcare professionals with the skills to perform and interpret echocardiographic examinations, aiding in the diagnosis and management of cardiovascular diseases. The program integrates theoretical learning with hands-on clinical training, focusing on areas such as Doppler imaging, 3D echocardiography, strain imaging, and transoesophageal echocardiography. Graduates of this program are prepared for careers in hospitals, research institutions, and academic settings, contributing to advancements in cardiac diagnostics and patient care.



THE IDEAL ENVIRONMENT FOR NEW-AGE PROFESSIONALS

THE CAMPUS

The College is located in a beautiful lush green landscape, free from polluted environment and excellent atmosphere and ambience ideally suited for growth of the soul & mind. It is located inside RRMCH campus on the Bengaluru- Mysore Highway.

We've created learning environments that are as close as possible to the real world. Technology driven, eco-friendly campus reflects the ease in learning and living.

Our college is greatly privileged to have a large hospital i.e **RajaRajeswari Medical College and Hospital**, It has 1500 bed capacity. The other clinical facilities are well selected and organized.

The Institute has a strong anti ragging committee which is very proactive in looking after the whole college 24X7 including hostels.



CLINICAL TRAINING

The Curriculum of Allied Health Science Programmes has been specially designed to help students understand the basic concepts in the field and to apply the knowledge during their internship training in the real health care setup. The Allied Health Professionals are expected to have excellent skills in their respective field of study. The clinical training plays a vital role in the study of Allied Health Sciences and a good clinical setup provides an important platform to learn and apply their knowledge in their profession.

The Institute of Allied Health Sciences is attached with the RajaRajeswari Medical College and Hospital which has all the specialty departments to train the students of Allied Health Science Programmes. The students of Allied Health Science Programmes in RRMCH are deputed under the Specialty Medical Professionals for their clinical training as prescribed in the University Curriculum.

The training in RRMCH Clinical area during their second and third years and their internship during their fourth year of study has made them Skilled and Competent in their respective fields equipped to work in any kind of clinical setting in the world.

ADVANCING HEALTHCARE

The vast expanse of Medical Science and its complexity, necessitate that constant experiments and case studies be conducted within well-equipped laboratories. The College has a Central Research Laboratory with state-of-the-art equipment that conducts research in collaboration with renowned international institutions. Trained laboratory staff provides proper assistance and guidance to the students in the conduct of research.

LIBRARY & INFORMATION SERVICE

The Central Library is spread over a floor space of about 1200 sq. mtrs.

The Central Library stocks more than 22,000 books of various subjects in medical and allied health sciences. Reputed journals, both Indian and foreign are available in departmental libraries. The total number of books in the central and departmental library runs over 22,000 titles.

SMART CLASS ROOM

A Smart Classroom is a traditional lecture style teaching space that has available technological equipment that can be used to aid and enhance instruction of a course. The smart class room is equipped with the basic technology that will enable to connect laptop to the projector.

AUDITORIUM / SEMINAR HALL

A well-equipped auditorium with seating for over 500 people serves as the venue for the regular conferences, workshops and seminars that are part of the learning process at RajaRajeswari Medical College & Hospital. A Medical Education Department setup with the objective of enhancing quality of education, dedicates itself to implementing continuous improvement in standards.

The 5000 seater ACS Convention Hall at RajaRajeswari Medical College & Hospital is a vast space that transforms itself to meet varied needs.

HOSTEL

Men and women have separate hostel facilities. The rooms are well furnished with attached bathrooms and a hygienic Mess facility is available round the clock.

On-campus accommodation is available to out-station students in the 4 spacious hostels.

Separate UG and PG hostels for boys and girls accommodate up to 2500 students with a choice of individual and shared rooms. Clean and airy, the rooms offer beds, wardrobes and study tables and chairs.

An inspiring PLACE to
PROFESSIONAL and
PERSONAL success.

FOODS GALORE

Food for the Soul and Food for the Tummy

"The Way to a Heart is Through the Stomach". The students of college get mouth watering AND appetizing food stuffs at their door steps (well! figuratively). A wide variety of South Indian, North Indian, Chinese and of course Dietary food too is available in the canteen.

EXTRA / CO-CURRICULAR

The college motivates the student community to participate in extra-curricular activities through frequent cultural, arts and literary events. The extra-curricular activities foster the all-round development of the students.

GAME FOR MORE

Recognizing the importance of sports and games for the development of both body and mind, RRAHS has established comprehensive facilities for students.

The sporting infrastructure includes cricket, football, tennis, basketball, volleyball grounds and courts.

Facilities for indoor games are also available such as table tennis, chess and badminton. Teams from the college regularly participate in inter-collegiate events and they have done the college proud in various sporting disciplines.



The aim of the Institution is to prepare highly skilled human resource in the areas of Allied Health Sciences





RAJARAJESWARI inspiring
hub of academic excellence

Namma **Bengaluru**

Bengaluru is the capital and largest city in the Indian state of Karnataka. With a population of over 6 million, it is one of the largest cities in India and the IT Capital. Bengaluru is one of the most ethnically diverse cities in the country, with over 62% of the city's population comprising migrants from other parts of India. Historically a multicultural city, Bengaluru has experienced a dramatic social and cultural change with the advent of the liberalization and expansion of the Information Technology and Business Process Outsourcing industries in India. IT companies in Bengaluru employ over 35% of India's pool of 1 million IT professionals.



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